

FIG. 5A FIG. 5B FIG. 5C FIG. 5D FIG. 5E

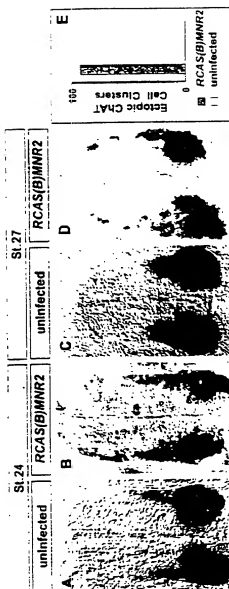
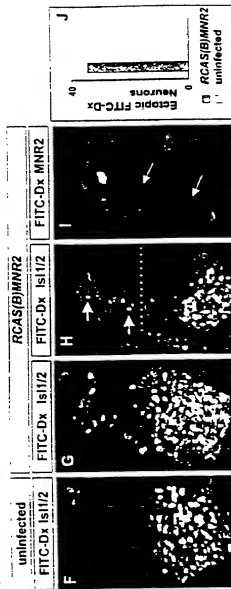
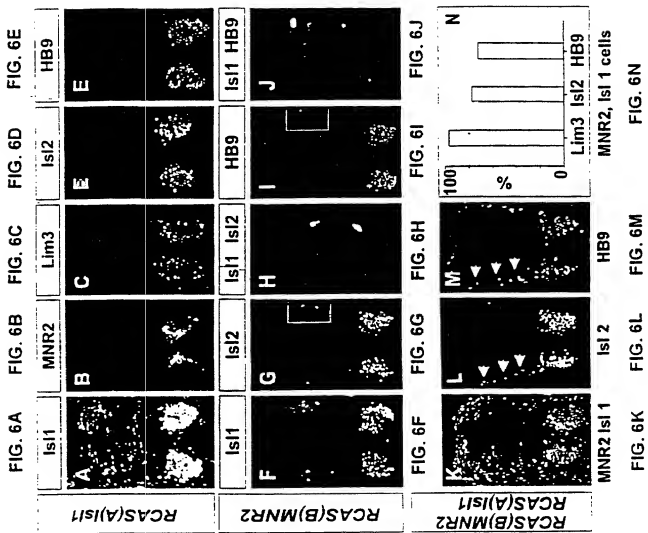
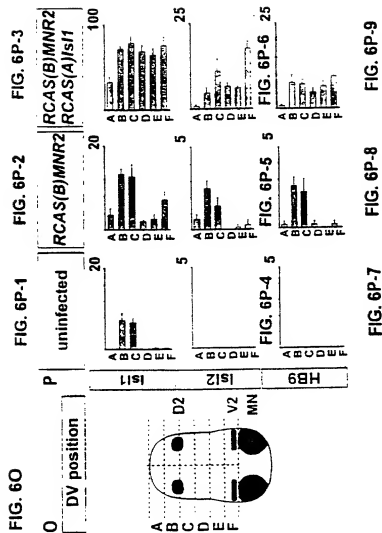


FIG. 5F FIG. 5G FIG. 5H FIG. 5I FIG. 5J







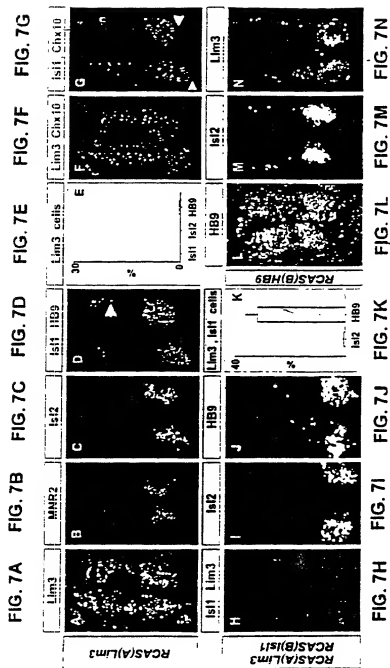
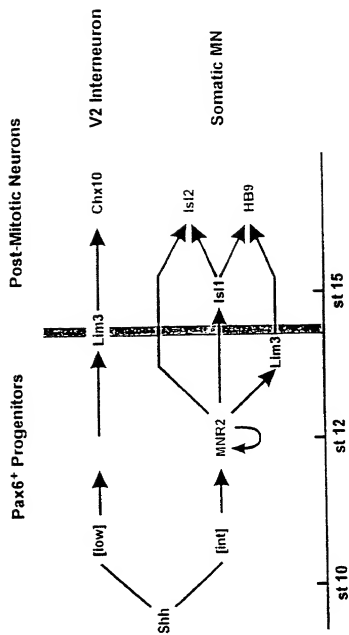


FIG. 8



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FIG. 9A

Interneuron Pattern

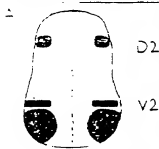


FIG. 9B

RCAS B 11:NR2



FIG. 9C

LH2

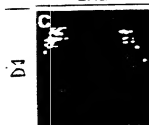


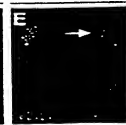
FIG. 9D

Isl1



FIG. 9E

LH2 Isl1



D1

Brn3.0



Isl1



Brn3.0 Isl1



D2

FIG. 9F

FIG. 9G

FIG. 9H



FIG. 10

SEQ. ID NO. 1

cmnr2-protein

1 MIKPMKESQN FRIEALLAEK PPRSASPPGL SPAGSPGAG RTDTSPRAP QAAATPIGHAG
61 FVPKPGLIHL PGPGIGTI.PA LYPPAVYPLP ALGGQHAFA YTAFPQLPPP GAHH.KAAVA
121 GSPPLEQWIR AGMIVPRI.SD FHATQSALM GKSRRPRTAF TSQQLLELEN QFKLNKYI.SR
181 PKRFEVATSL MITEIQVKIW FQNRNMKWK RSRKAEQGM VEPEKPRGIG KADESLIP.SQ
241 PQQAGDSPE FVGCSPGTGF LCRSAELGYD PDSSCSGGEE DEEEDDGMD TAERKMGSVI.

FIG. 11 cMNR2 - dna

SEQ. ID NO. 2

1 CAGATCTGCTT CCCAGATGCTT CTGCTCTCC TCGAAGGCCA GAATCGGTGG GTCCGAGTCA
61 GCTCTGCTCC TGCTCACCCTT CTTGTCCCTAG AGCAGCCAAAG GCTTTTCATCT CCACCTGTGTT
121 CTGTGTGCTCTT CACCTTGGAGA AGACCAACC GAGCAATAAA ATACATATCT GCCCGTATGTC
181 ACCTGCTCCA TGCGCTTCTT GGGCGGATAG ACGATGCAAG GTGTGGCCC CTGCTGTGCAG
241 CCAGCTTCGGG CCGCTTGAATG TCCCGGTGCC AAAGAGTGGC GAAGAGAAC GGCACCTGCTT
301 GTCAAGAGTA GATTCGAGC CCGGGGTGTG CCGGAGCTGT GCGGAAGCTG GCGAGAGTGG
361 GTCGAGCTGA CAGGCTGAGG GGCCTGGGG GAGCCAAATAG GGAGCTGAGG CAGTCTGAGG
421 GGGGGGTTHA AACCCCTCG GTGCGCGGG GCGGCTGAGT GCCCGGAGG AGGAGTGTG
481 AGGAGGCTGT CCGCTTGGAGG CAGCGGAGG GCGCTGAGT TGGCAGCTGA GCGCTGAGG
541 GTGCTGGGCTT GCGCTTGGAGG TGGCTGAGG CAGGCTGAGT GCGCTGAGG GCGCTGAGG
601 GAGGCTGAGT GCGCTTGGAGG GCGCTGAGG GCGCTGAGT GCGCTGAGG GCGCTGAGG
661 CAAACTTCC GCGCTTGGAGG GCGCTGAGG GCGCTGAGT GCGCTGAGG GCGCTGAGG
721 GGGCTGAGG CCGCTTGGAGG GCGCTGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
781 GCTGCTGAGG GCGCTTGGAGG GCGCTGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
841 CACTTCCCTG GCGCTTGGAGG GCGCTGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
901 CTGCTGAGG GCGCTTGGAGG GCGCTGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
961 CCGCTGAGG GCGCTTGGAGG GCGCTGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1021 ATCTGAGG GCGCTTGGAGG GCGCTGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1081 TTGATGAGG GCGCTTGGAGG GCGCTGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1141 GAGGAGGAGT TCGCTTGGAGG GCGCTTGGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1201 TCGCTTGGAG GCGCTTGGAGG GCGCTTGGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1261 AAGGAGGAGG GCGCTTGGAGG GCGCTTGGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1321 CTGCTGAGG GCGCTTGGAGG GCGCTTGGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1381 CCGGAGGAGT TCGCTTGGAGG GCGCTTGGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1441 TATGAGGAGT TCGCTTGGAGG GCGCTTGGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1501 ATGAGGAGT TCGCTTGGAGG GCGCTTGGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1561 TGAGGAGG GCGCTTGGAGG GCGCTTGGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1621 AGGCTGAGG GCGCTTGGAGG GCGCTTGGAGG GCGCTGAGT TGGCTGAGG GCGCTGAGG
1681 TCTGTGTGT ATCTTGGAGT TCGCTTGGAG GCGCTTGGAG GCGCTTGGAG GCGCTTGGAG

FIG. 12

SEQ. ID NO. 3

CHB9-protein

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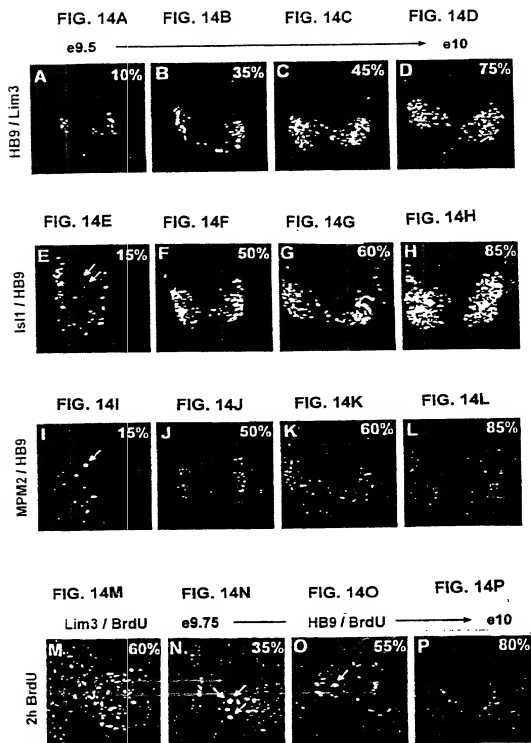
1 MEKSKNFRID ALLAVDPTKA AAQSAPLALV TGGSGGGSP SSSSSSSSS SSSSELPAAC
61 PRDSDSPPR LLPALICALLP KAFTLGGGP GGGHPQHIAL GLHPAGTGGP GLYCHPVVGY
121 PALGGQHPAL SYSYSQVQGA HPALHPADP1 KLSAGTFQLD QWLRASFTAGM JLPKMPDRGS
181 QAQSNILGKC RRPRTAFTSQ QLELEHQFK LNKYLSRPKR FEVATSLMLT ETQVKIWFQN
241 RRMKWKQKK AKQAQAQAE NEKGGGGED KSGPRELLLP GPEKGGRRRL RELPDSEPED
301 EEEEEEEFE AEAQKCCPYH SSKSEADEE DSQSGGRPGA PTPPAQIPQ*

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FIG. 13
SEQ. ID NO. 4

CHB9 - DNA

1 CCGGGCTGCG CTCTGGCGCG CTCGCGCGCT CCCATGGAAA AATCCAAAAA TTTCGCGATC
61 GACGGCTGCG TGGCTGTGGA TCCCCCANG GCGCGCGCG AGAGCGCTCC GCTGGCCCTG
121 GTTACCGGCG GTTCGGGAT GCGACGCTT CCGTCTTCGTC CTTCTCTCTC GTCTCTCTCT
181 TTCTCTCTCTT CTTCCTGATTT CCGCGCGAC TGCCCGGCGA CCGACACCC CTTCTCTCTT
241 CGCTCTCTGCG CCGCGCACTG CCGGCTGCTG CCCAAAGCCG CTTCTCTGCG CCGGGGAGGA
301 CCGGGGGGGG GCGACCCGCA GCACACGCC CTGGGGCTGC ACCCGCGCGG GCGCGCGCGG
361 CCGGGGCTCT ACGGCACTC GGTGTACGGC TACCCGCGGT TGGCGCGGCA GCACCGGCGG
421 CTCTCTCTAT CTATTCGCA AGTGTAGGGA GCGCACCCCG CGCATCCCTC GCGCGGACCC
481 ATCAAGCTGA GCGCGCGCAC CTTTCAGCTG GACCGAGTGC TGGCGCGGAG CACGGCTGCG
541 ATGATCTCTG CCAAAATCTT GTACTTCGCG TCTCAGCTC AGTCTAACCT GTTCTCTAAG
601 TGGCGCGCGG CAGCACCTC CTTCACCCAG CAGCAGCTGC TGGAGCTGGA GCTCATCTCT
661 AAATCAACA AGTACTCTCT CCGGCTCCAG AACCGCCGCA TGAATGGAA GCGCCAGAAA
721 ACGGAGCGC AGTGTAGAT TTGTTTCCAG GAGACGAGA AAGGAGGAG AGGAGGAGAG
781 ACGGCGAAGG AGCAGCGCGC GCAGGAGCA GAGACGAGA AAGGAGGAG AGGAGGAGAG
841 GACAAAGCG GCGCGGAGCA ACTGCTGCTG CCGCGCCCGG AGAAGAGAG GCGAGGAGAG
901 CTGAGGAGAG TGGCTCTACG CGAGCCCGT CACTCTCTCG ACTGTCTCGA GCGGAGAGAG
961 GAGGCGGAGG CCGCGCGGAG CTGCGCCCTAC GCGCGCCCGG CACCTCCCGG CCGCGCGCTT
1021 GAGGACTGCG AGTCCGAGAG ACGGCGCGGA CCGCGCCCGG CCGCGCAACG GAGCGCTCTG
1081 TGAGCCCAAG GCGCGCCCTG CCGCGCCCGT CCGCGCCCGG CCGCGCAACG GAGCGCTCTG
1141 CCATCCCGCT CTCCCTATCC TCCCTGCTCG TATTTATGAC TGAGAGAGCG CCACGCTTT
1201 GCGGAGCGGG AGGAGAGATT CACACAGTGT GAGGAGGAG CCGGAGGAG CCACGCTTT
1261 AGCCCCCTC CCGCGCCCGG CCTATCGGAA CCGTTCTCTT CTTTACATAT ATCGGAGAA
1321 GTGTPTATGT CATGACGCTT ARACTGCTG CAGATCTCAA TACTGTCTTT ATTTTGTATA
1381 TCCATATTTAT AAAAAGGAA AATGAATTC CTCATCTAT GCATGCTAAA TTATTTACCA
1441 GCGCCCTTCCG CTTGAGGTGG GGGGGAGGAA TATAAATAAA GAGCGTTTTG TACTGTGAAA
1501 AAAAAAAAAA AAAA



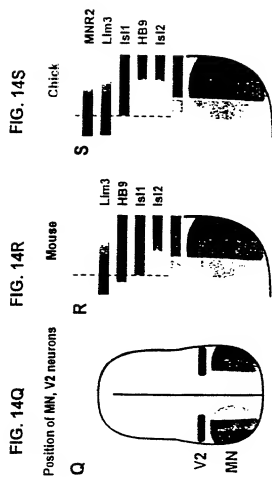


FIG. 15A

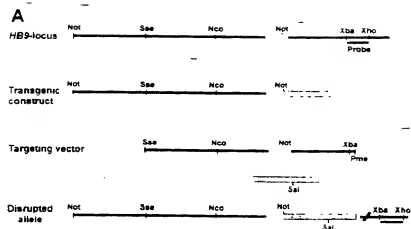


FIG. 15B

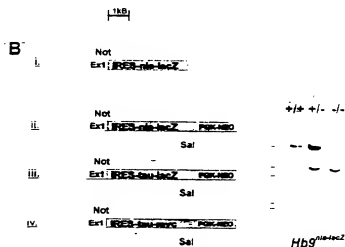


FIG. 15C

FIG. 15D

FIG. 15E

FIG. 15F:

TgN (Hb9) SAX16

Hb9^{118-1002/+}Hb9^{118-1002/+}Hb9^{118-1002/NeuMyc}

C

D

E

F

J/Gal



FIG. 15G

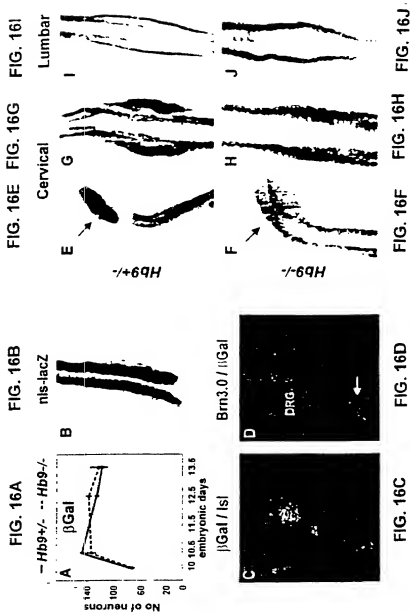
FIG. 15H

FIG. 15I

Hb9^{+/+}Hb9^{+/+}Hb9^{+/+}

J/Gal / Hb9





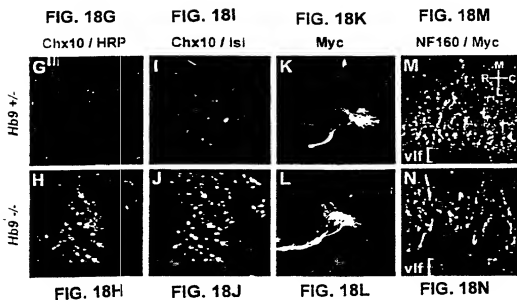
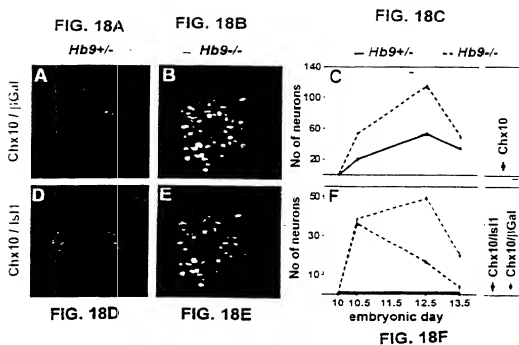


FIG. 19A

A Progressive MN Specification

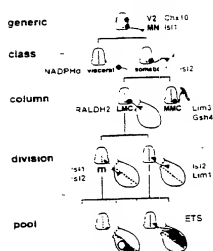


FIG. 19B

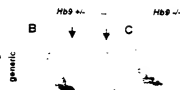


FIG. 19C

FIG. 19D



FIG. 19E

FIG. 19F



FIG. 19G

FIG. 19H

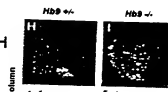


FIG. 19I

FIG. 19J



FIG. 19K

FIG. 19L



FIG. 19M

FIG. 19N



FIG. 19O

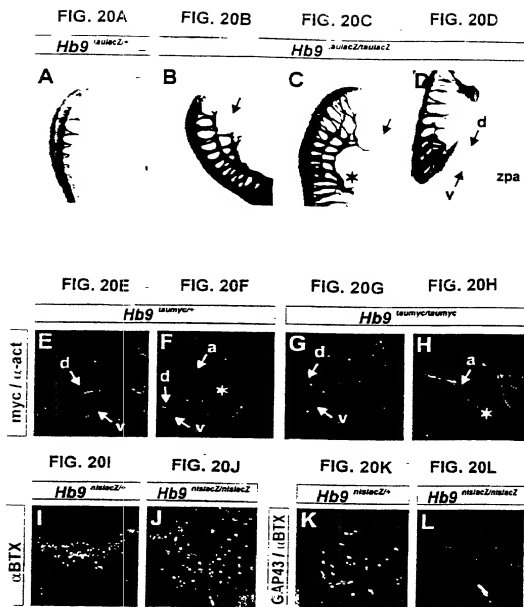


FIG. 21

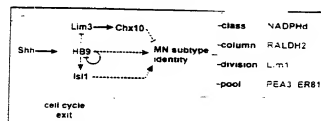


FIG. 22A

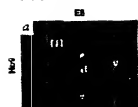


FIG. 22C

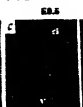


FIG. 22E



FIG. 22B

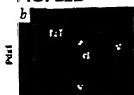


FIG. 22D



FIG. 22F



FIG. 22G



FIG. 22H



FIG. 22I



